ABSTRACT OF THE DISCLOSURE

A congestion-responsive VoIP system according to the present invention can minimize an increase in transmission traffic by simplifying the transmission of

5   congestion data and avoid the degradation of speech quality by avoiding congestion proactively, by enabling a repeater in an IP network connecting a plurality of terminals to add congestion data a 1 or a 0 to speech packets to be transmitted to the terminals; the

10   terminals to receive speech packets with congestion data and detect a congestion condition based on the congestion data; and a call set-up part to determine selectively a coding method according to the congestion condition.

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